Washington Department of FISH and WILDLIFE

State of Washington
DEPARTMENT OF FISH AND WILDLIFE

Mailing Address: 600 Capitol Way N, Olympia, Washington 98501-1091 - (360) 902-2200

ENVIRONMENTAL CHECKLIST
(WAC 197-11-960)

A. BACKGROUND

1. **Name of proposed project, if applicable:** Percival Cove Habitat Restoration

2. **Name of Applicant:** Washington Department of Fish and Wildlife

3. **Address and phone number of applicant and contact person:**

Washington Dept of Fish and Wildlife
Capitol Programs & Engineering Division
600 Capitol Way North
Olympia, WA 98501-1091

Contact Person: Cindy Knudsen
Fish and Wildlife Biologist
Telephone Number: (360) 902-8422
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E-Mail: Cindy.Knudsen@dfw.wa.gov

4. **Date checklist prepared:** May 24, 2010

5. **Agency requesting checklist:** Washington Department of Fish and Wildlife.

6. **Proposed timing or schedule (including phasing, if applicable):**

   Phase 1: Summer 2010
   Phase 2: Summer 2011

7. **Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

   No.

8. **List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal:**

   Sediment Characterization Report, May, 2009.

9. **Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.**

   None are pending.

10. **List any government approvals or permits that will be needed for your proposal, if known.**

A City of Olympia Shoreline Exemption and a WDFW HPA will be needed.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

Scope of Work:

Phase I

FLOW DIVERTER STRUCTURE

Channel piers will be removed from Percival Cove on the west side of Deschutes Parkway approximately 150 feet from the bridge near Marathon Park, from below the water surface. There are approximately 45 "H" piles at this location, composed of 4" steel. These piles were previously used as bracing for a plywood baffle that was used to divert surface water flow from Percival Creek into Percival Cove. The channel piers are approximately 8 feet below the mud line (elevation -10 feet), and about three feet above the water surface. Some of the pile heads which support the remnants of a walkway are about 6 to 8 feet above the water surface. There is a sheetpile area to the north end of the flow diverter structure that will also be removed. The visible portion of the sheet wall structure is 10 to 15 feet long. These structures will completely be removed with an excavator staged on a landing above Ordinary High Water (OHW) or from a barge. Work will be performed during approved work windows. Best Management Practices (BMPs) will be used, including suspended silt curtains. All removed materials will be taken to an approved disposal facility.

Phase II

FISH SCREEN STRUCTURE

A structure previously used as a fish screen (9 foot wide x 77 feet long) will be removed from Percival Cove. This structure is located approximately 16 feet east of the Deschutes Parkway Bridge, near Marathon Park. Bulkheads extend an additional 10 feet on either end of this structure to the stream banks. There is a concrete sill (12 inches thick) below the water surface extending from bulkhead to the opposite bulkhead supporting this structure. Steel sheet pilings (PS 28) are oriented from the concrete sill to 10 feet below the concrete sill, positioned perpendicular to the direction of water flow. These pilings, channels supporting the pilings, and concrete sill material will be removed from below OHW. The bulkheads (6 foot 3 inches wide x 10 feet long) on either side of the waterway will be removed, along with the post footings that support the bulkhead. Chain link fencing will be removed.

There are two log boom and anchor structures located approximately 75 feet from the shoreline that will also be removed from Percival Cove. One end of the log boom is attached to the sheetpile on the fish screen structure. The other end is attached to an anchor structure and a canister buoy, with chains holding the log structure in place.

The fish screen and log boom structure will be removed with an excavator staged on a landing above OHW or from a barge. Work will be performed during approved work windows. BMPs will be used, including suspended silt curtains. All removed materials will be taken to an approved disposal facility.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The proposed project site is within the Capitol Lake area off of the Deschutes Parkway. The site is reached by turning off Interstate 5 South. At Exit 105(B), take the ramp right toward City Center / State Capitol. Keep straight onto 14th Avenue SE. Turn Right onto Capitol Way S. Turn left onto 5th Avenue SW. Bear left onto Deschutes Parkway SW. This site is located on either side of a bridge before you get to Lakeridge Drive SW. This project is located at 1122 Deschutes Parkway, in Thurston County, Section 55, Township 18 North, and Range 2 West.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (underline one): flat, rolling, hilly, steep slopes, mountainous, other_____.

b. What is the steepest slope on the site (approximate percent slope)?

8% slope.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of the agricultural soils, specify them and note any prime farmland.

Soils in the vicinity are classified as Everett very gravelly Sandy Loam.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. No.

e. Describe the purpose, type and approximate quantities of any filling or grading proposed. Indicate source of fill.

There will be no fill materials added or grading that will be associated with this project.

f. Could erosion occur as a result of clearing, construction or use? If so generally describe.

Yes, removal activities will temporarily disturb sediment.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

There will be no increase in impervious surfaces at either site.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Erosion impacts will be reduced by placing a sediment barrier around both construction sites to isolate the disturbed area from introduction of sediment that could be released from sheetpile and concrete footing removal.

2. Air

a. What type of emissions to the air would result from the proposal (i.e., dust automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Low levels of vehicle exhaust emissions, and dust from construction activities are expected during project activities. No long-term effects in air quality are anticipated to result from the completed

project.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any: None.

3. WATER

a. Surface

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes ponds or wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Percival Cove and Capitol Lake are at these project sites. These sites are connected to Capitol Lake that flows into Budd Inlet (West Bay).

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes, all components are directly in Percival Cove and in Capitol Lake.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

No fill will be removed from surface water.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Yes, sites are within the 100-year floodplain.

6) Does the proposal involve any discharges of waste material to surface waters? If so, describe the type of waste and anticipated volume of discharge.

Sediment may temporarily be released into the water. Best Management Practices will be used.

b. Ground

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description purpose, and approximate quantities, if known. No.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

No waste material will be discharged.

c. **Water Runoff (including storm water):**

1) **Describe the source of runoff (including storm water) and method of collection and disposal, if any (including quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

Stormwater in the area sheet flows from impervious road surfaces onto adjacent wetlands and Capitol Lake and is infiltrated before reaching surface waters. This project will not change storm water runoff patterns.

2) **Could waste materials enter ground or surface waters? If so, generally describe.** No.

d. **Proposed measures to reduce or control surface, ground and runoff water impacts, if any:** None.

4. PLANTS

a. **Check or underline types of vegetation found on the site:**

___ **deciduous tree: alder, maple, aspen, other**

___ **evergreen tree: fir, cedar, pine, other; Sitka spruce**

___ **shrubs**

___ **grass**

___ **pasture**

___ **crop or grain**

___ **wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other**

___ **water plants: waterlily, eelgrass, milfoil, other**

___ **other types of vegetation**

b. **What kind and amount of vegetation will be removed or altered?**

None.

c. **List threatened and endangered species [of plants] known to be on or near the site.**

None.

d. **Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:**

None.

5. ANIMALS

a. **Underline any birds or animals, which have been observed on or near the site or are known to be on or near the site:**

Birds: <u>hawk</u>, <u>heron</u>, <u>eagle</u>, <u>songbirds</u>, other: waterfowl.

Mammals: deer, bear, elk, beaver, other:

Fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.

Endangered species are known to occur near this site in Percival Creek and the Deschutes River These include Puget Sound Chinook and Steelhead.

c. Is the site part of a migration route? If so, explain.

Juvenile Coho salmon may utilize Capitol Lake as overwinter rearing habitat.

d. Proposed measures to preserve and enhance wildlife, if any:

This work will restore and enhance fish passage and benefit wetland associated species by removal of structures that were previously used as a rearing area. Removal of these structures will restore this area to a more natural setting.

6. ENERGY AND NATURAL RESOURCES

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. None.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: None.

7. ENVIRONMENTAL HEALTH

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill or hazardous waste that could occur as a result of this proposal. No.

1) Describe special emergency services that might be required. None.

2) Proposed measures to reduce or control environmental health hazards, if any: None.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? None.

3) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Temporary increases in noise levels during construction activities are expected from this project. Hours of increased noise will be 8 am to 5 pm. No long term change in noise levels is expected from the completed project.

3) Proposed measures to reduce or control noise impacts, if any: None.

8. LAND AND SHORELINE USE

a. What is the current use of the site and adjacent properties?

This site is located alongside the Deschutes Parkway, along an urban roadway. Marathon Park is near the site. There are sidewalks nearby and pedestrians use this area for walking along the lake. There is a bike lane nearby.

b. Has the site been used for agriculture? If so describe?

No.

c. Describe any structures on the site.

This site is located on either side of the bridge across the Deschutes Parkway. Structures in the area include chain link fence, train tracks, and the Deschutes Parkway.

d. Will any structures be demolished? If so what?

Yes. An old flow diverter and a fish screen structure will be removed.

e. What is the current zoning classification of the site?

PO/RM: Professional Office/Residential Multi-Family
PUD: Planned Unit Development

f. What is the current comprehensive plan designation of the site?

PUD Planned Unit Development -Overlay Zone.

g. If applicable, what is the current shoreline master program designation of the site?

Conservancy

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No.

i. Approximately how many people would reside or work in the completed project?

No persons would reside here.

j. Approximately how many people would the completed project displace? None.

k. Proposed measures to avoid or reduce displacement impacts, if any: None.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Proposed structure removal from both sites will enhance this area for fish and wildlife. Materials that are no longer needed will be removed.

9. HOUSING

a. **Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.** None.

b. **Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.** None.

c. **Proposed measures to reduce or control housing impacts, if any:** None.

10. AESTHETICS

a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**

N/A. Proposed removal activities will not create new structures.

b. **What views in the immediate vicinity would be altered or obstructed?** None.

c. **Proposed measures to reduce or control aesthetic impacts, if any:** None.

11. LIGHT AND GLARE

a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**

The repair may produce minimal temporary glare.

b. **Could light or glare from the finished project be a safety hazard or interfere with views?** No.

c. **What existing off-site sources of light or glare may affect your proposal?** None.

d. **Proposed measures to reduce or control light and glare impacts, if any:** None.

12. RECREATION

a. **What designated and informal recreational opportunities are in the immediate vicinity?**

There are waterfowl viewing opportunities near the site. There is also a park nearby offering lakeside views and recreational opportunities. There are also sidewalks and bike lane nearby.

b. **Would the proposed project displace any existing recreational uses? If so, describe.**

No recreational activities will be displaced. The area will be enhanced for fish and wildlife.

c. **Proposed measures to reduce or control impacts on recreation, including recreational opportunities to be provided by the project or applicant, if any:** None.

13. HISTORIC AND CULTURAL PRESERVATION

a. **Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.**

None are known.

b. **Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.** None are known.

c. Proposed measures to reduce or control impacts, if any:

Excavation will only occur in areas of previously placed fill. Best Management Practices will be used.

14. TRANSPORTATION

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Deschutes Parkway is adjacent to these sites.

b. Is site currently served by public transit? If no, what is the approximate distance to the nearest transit stop?

Yes, there is a public transit facility nearby.

c. How many parking spaces would the completed project have? How many would the project eliminate? None.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

There is no established water, air or rail transportation nearby. A barge may be used to remove the structures.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

No change in WDFW staff vehicle trips will occur.

g. Proposed measures to reduce or control transportation impacts, if any: None.

15. PUBLIC SERVICES

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so generally describe. No.

b. Proposed measures to reduce or control direct impacts on public services, if any: None.

16. UTILITIES

a. Underline utilities currently available at the site: Electricity, Natural Gas, Water, Refuse Service, Telephone, Sanitary Sewer, Septic System, Other.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity, which might be needed.

No utilities will be added or changed from this project.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

SIGNATURE: Cindy Knudson **DATE SUBMITTED:** 5/26/2010